

Gas-Liquid Mixing Pump for Dissolved Air Flotation

This gas-liquid mixing pump is designed for dissolved air flotation and micro bubble generation. The regenerative turbine pump features a stainless steel pump head and robust construction for industrial applications.



Product Overview

High-Efficiency Gas-Liquid Mixing

This regenerative turbine pump is engineered for superior gas-liquid mixing and micro-bubble generation, making it an essential component for Dissolved Air Flotation (DAF) systems. Designed for versatility, it handles clean, low-viscosity liquids and can manage fine foreign matter with ease. Its robust construction ensures reliable performance in demanding industrial applications, including ozone water preparation, biological treatment, and high-pressure liquid transfer.

Operating Conditions

| | |
|-----------------------------|-------------------------------------|
| Liquid Temperature Range | -15°C to +120°C |
| Maximum Ambient Temperature | 40 °C |
| Gas-Liquid Ratio | 1:9 (8-10% gas suction volume) |
| Port Orientation | Inlet: Horizontal, Outlet: Vertical |

Applications

Key Applications

- Air suspension treating equipment
- Ozone water preparing equipment
- Biological treating equipment
- Heating/Cooling medium feeding
- Underground tank liquid transfer
- Misting treatment for chemical/food solutions
- High-pressure water injection
- Vacuum tank suction

Performance Data

Model Specifications

| Model | Head (m) | Flow (m³/h) | Power (KW) |
|----------|----------|-------------|------------|
| 20GLM-1 | 40 | 1 | 0.55 |
| 25GLM-2 | 40 | 2 | 1.1 |
| 40GLM-6 | 40 | 6 | 3 |
| 50GLM-12 | 50 | 12 | 5.5 |